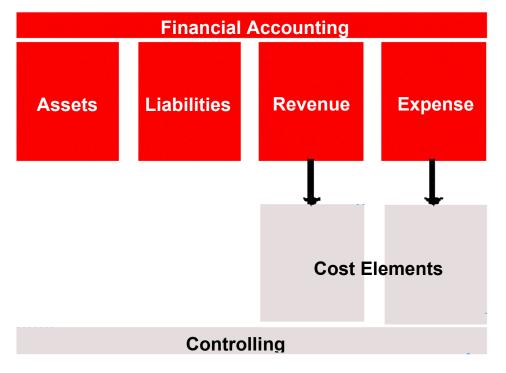
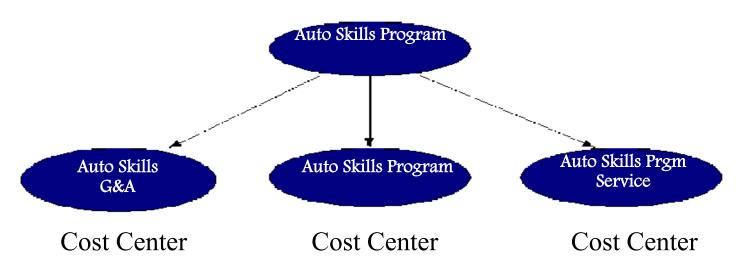
What is Controlling?

The Controlling module (CO) in SAP R/3 deals with the responsibility aspect of financial accounting. No actual postings are made in Controlling, instead all transaction information flows to Controlling through the other modules of SAP R/3. The Controlling module provides the most flexible business income and expenses reporting.



At the core of Controlling is the cost center, which represents a location where revenue and expenses originate. Cost centers are then grouped in various ways, via hierarchies, to facilitate management review.

Cost Center Group

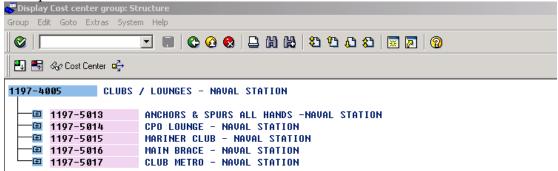


Hierarchies

MWR has created several hierarchy groups to allow different views of cost center information. To view these hierarchies, use the following menu path:

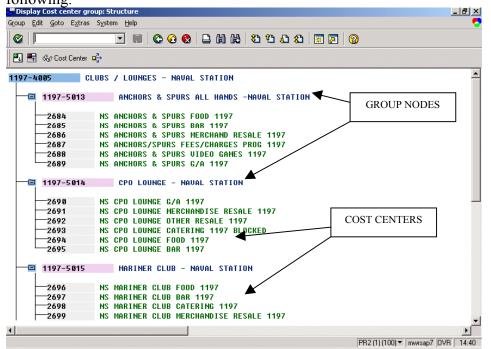
Menu path: Accounting \rightarrow Controlling \rightarrow Cost Center Accounting \rightarrow Master Data \rightarrow Cost center group \rightarrow Display (Trans KSH3)

Enter the hierarchy number (group node) in the text box. Select your group node from the handout hierarchy. Group nodes are identified as a number that consists of SAP Company code plus three or four additional numbers (ie. 1197-4005) See example below.



To expand or collapse the hierarchy, place the cursor on the desired level and click

the expand or collapse icon . The expanded version will look like the following.

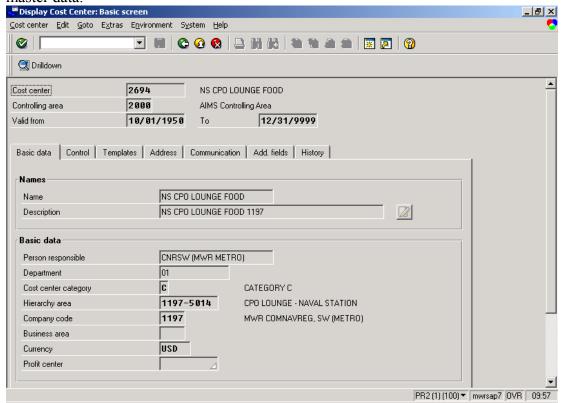


Controlling

Hierarchies cont.

The different nodes represent different levels in the organizational chart. Each node is a reporting node that will offer summary level or detailed level financial information for all subordinate nodes or cost centers. The cost centers are identified as the four digit numbers at the lowest level of the heirarchy (ie. 2694).

By double clicking at the cost center level, the system will display the cost center master data.



Cost centers are used by SAP to represent a location of cost (and revenue) origination. Cost centers are grouped through the hierarchy into decision, managerial and responsibility groups to facilitate queries and reporting. MWR/VQ cost center master data includes the RAMCAS category, activity and department designators.

Cost centers and cost center groups are maintained by MWR Headquarters. Field MWR/VQ offices can request additional cost centers or changes to existing cost centers or cost center groups by submitting a "Create/Change Cost Center Request Form." (Attached)

Select the green arrow back button to return to the previous screen.

Internal Orders

Internal Orders will be used by MWR to record income and expenses for a particular event within a cost center. The internal orders will be statistical and **used for reporting purposes only**. Internal orders will be created at HQ as required. The following is a list of the internal orders created for Metro San Diego Region.

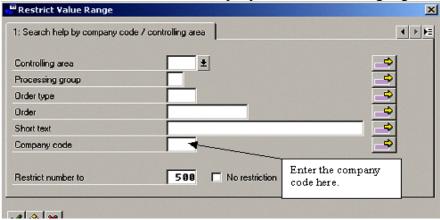
To view the internal order master data follow the menu path:

Menu path: Accounting → Controlling → Internal Orders → Master Data → Order → Display (Trans KO03)

The following screen will appear.



Click in the order box and use the dropdown arrow to display an additional criteria box. Enter the desired company code in the box highlighted and enter.

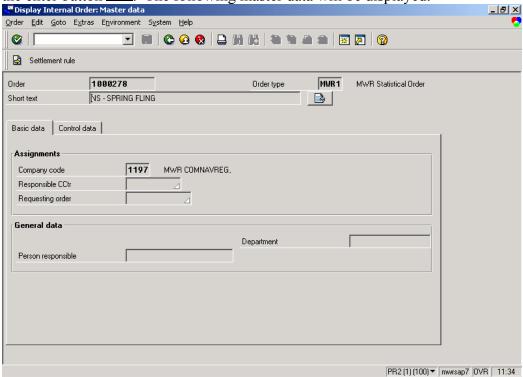


The following box will display all the internal orders created in the company code.



Select the internal order to display by double clicking on the line item. The internal order number will populate the initial screen order box at this point, click

the enter button . The following master data will be displayed.



Reporting

As mentioned earlier, the Controlling module provides the most flexible reporting for business income and expenses. For a detailed breakdown of cost center and cost center groups, reporting must be done in the Controlling module.

The MWR Controlling reports can be found through the following menu path:

Menu Path: Accounting → Controlling → Cost Center Accounting →

Information system → Report selection. (Trans KSBB)

The following report tree will be displayed.



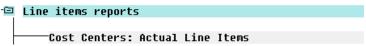
Click on the expand button to view all available cost center reports.

```
COST CENTER REPORTS
   Plan / actual comparisons
    |----Plan/Act. - Departmental Operations
    |----P&L Comparison Cost Centers
    |----P&L Comparison CEs/CCtrs
    |----P&L Current Month / Cummulative
    |----Plan Comparitive Reports
 --🖹 Line items reports
    |----Cost Centers: Actual Line Items
    |----Cost Centers: Plan Line Items
    |----Controlling Documents: Actual
    |----Controlling Documents: Plan
   |----Executive Summary Report
    |----Executive Summary Cash Flow Stmt
    |----Self Sufficiency Summary
    |----USA APF Support Expense Report
     |----USA APF Offset Report
     |----Operating and Financial Standards
     |--🗗 Balance Sheet/P+L
        |----AIMS Balance Sheet and P&L
    |----Summary Operations Statement
    |-----Plan/Act. - Departmental Operations
    |----Budget Performance Activity
```

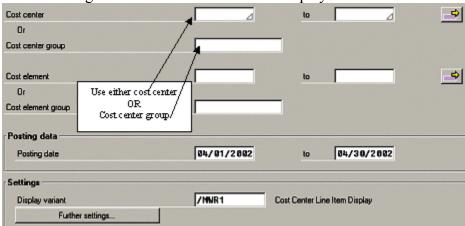
Select the desired report by double clicking on the line description. Once the report has been selected the selection criteria screen will come into view.

The selection criteria screen will vary according to the type report selection requested.

1. To view detailed **cost center actual postings** select the following report opening the "Line Items Report folder" and double click on the line "Cost Centers: Actual Line Items".

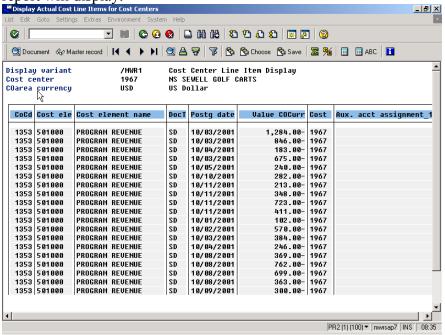


The following selection criteria screen will display.



Enter the selection criteria, either cost center or cost center group, NOT

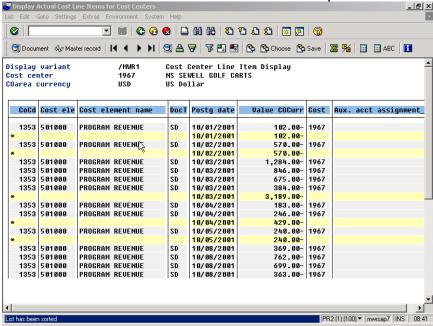
BOTH, with posting dates and click the execute button . The following report will display.



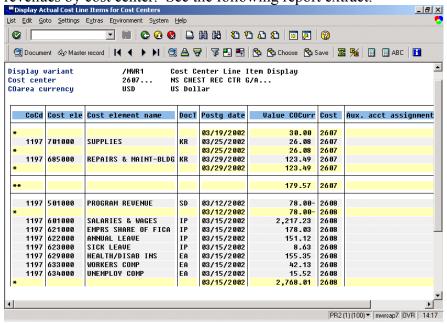
Please pay particular attention to the accounting detail as the information being viewed is the actual ledger postings and the amounts carry the true accounting sign. So an expense is normally indicated by a debit and revenue is normally indicated by a credit.

To sort the listing to view revenue by date, click the posting date column then

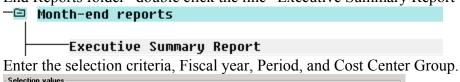
click the radio button for summation. The report will sort and total by date.

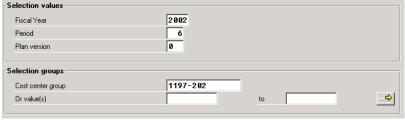


If the report is requested by cost center group, it will contain multiple cost centers. The report can be sorted on both the cost center and date to analyze daily revenues by cost center. See the following report extract.



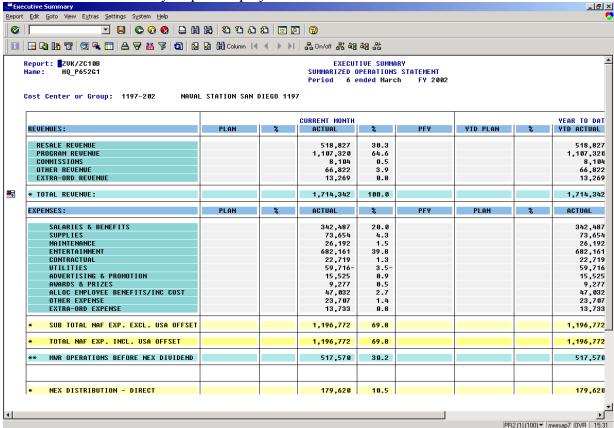
2. **Month End reporting:** to run the Executive Summary open the "Month-End Reports folder" double click the line "Executive Summary Report".





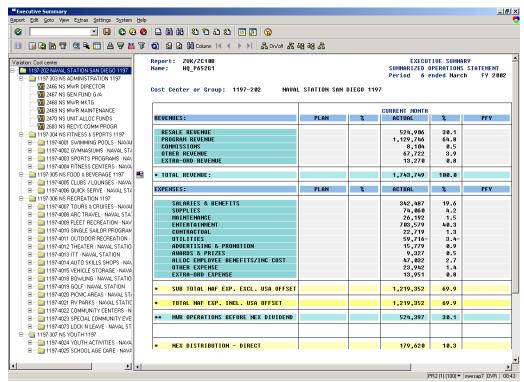
Execute report.

Executive Summary Report display follows:

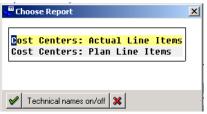


To scan the entire report, use the left to right directional bars to pan left and right. Use the up and down directional bars to pan up or down. To get more detail on the line items, double click on the line or amount.

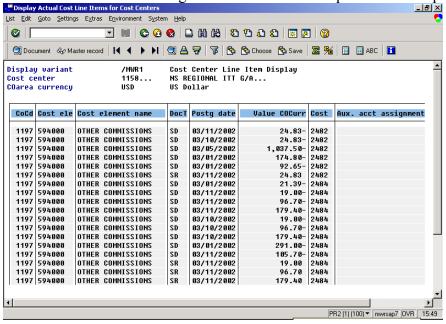
To see variation by cost center group nodes, click the button and expand the hierarchy area. This functionality is available on most of the monthly reports.



To drill down to the account detail, double click on the amount in question. The system will display the following box, double click **Cost Centers: Actual Line Items**

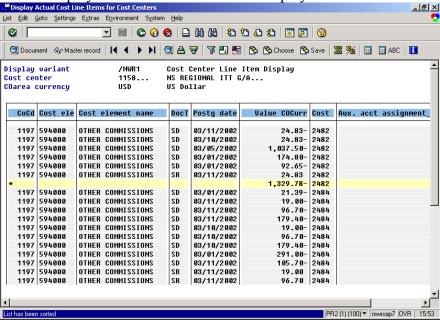


The system will display all the detailed postings that make up the number that was selected. The following cost center line item report will be displayed.



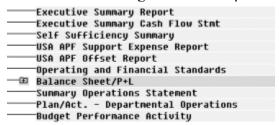
This report can be subtotaled at the cost center level by highlighting the cost

center column and clicking the radio button . The following report view will be displayed. Cost Center line item display with summarization by date.

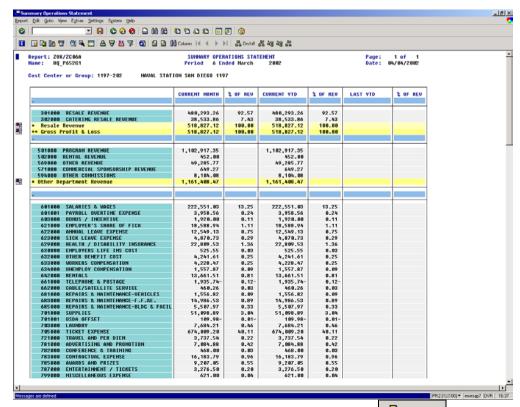


Various other summations are available by using the other radio buttons above the report title.

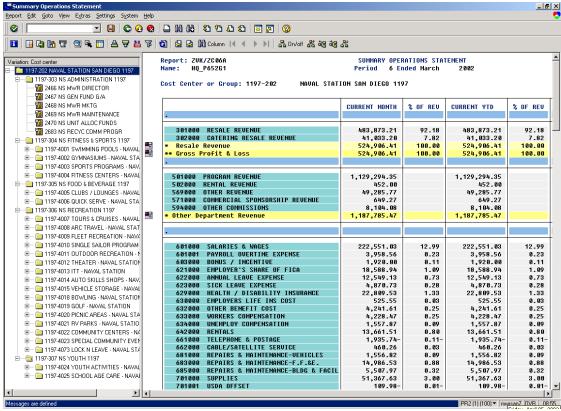
• Review the following month end reports in the same manner.



3. To view Summary Operations, double click on the line "Summary Operations Statement". Input the selection criteria and execute the report. The following report will display.



To see variation by cost center group nodes, click on the On/off button and expand the hierarchy area.



Select the item for more detail and double click to drill down to details.

Other Helpful Hints

Steps for exporting reports/list to Excel:

(Example starting at an Executive Summary Report)

- 1. From the Executive Summary either execute the <u>Export Report</u> icon choose the <u>Export</u> option from the <u>Report</u> pull-down menu or the <u>F8</u> key.
- 2. When the new screen appears, select the format you want from *Export Format* section. For this example select *HTML Format*.
- 3. Name the file in the *Output File name* area and then hit enter or the green check mark
- 4. A message will appear stating "For the selected file format DAT the file extension DAT is recommended." Click on the Change and Continue button.
- 5. At this point the report should appear in Excel as an HTML formatted file. You can also use the *Spreadsheet Format* that will allow the various features of excel to be used.
- 6. You can also export list by selecting the *Export* option from the *List* pull-down menu.

Steps for attaching reports to SAP mail:

(Example starting at an Executive Summary Report)

- 1. From the Executive Summary either execute the <u>Send Report</u> icon choose the <u>Send</u> option from the <u>Report</u> pull-down menu or the <u>Ctrl F8</u> key.
- 2. A message will appear stating "To execute this function, you must first save the selected data. Do you want to save the selected data?" Answer Yes
- 3. You will need to name the extract and indicate the number of days that you want the extract to be available.
- 4. After saving the extract, the SAP Office Mail will open. Type the message you want to send in the area for *Note for Recipient*.
- 5. Click in the space for recipient and use the pull-down menu. The default will be <u>Internal User</u>. Accept this default by clicking the green check mark. Enter the last name, first, etc. and hit the green check mark. If there is only one matching name, it will automatically default. If there are multiple names, you will need to select the appropriate name and hit <u>copy</u>.
- 6. If you want the message to be sent <u>Express Mail</u> activate the box under this option. The message will appear on the recipient's PC screen (when they are in SAP) either when they move to a different screen or when they next log onto the system.
- 7. The recipient can activate the report by opening the mail and/or selecting *Execute* under the *Report* pull-down menu.

13

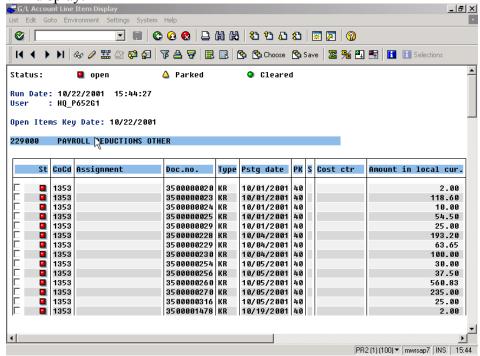
Other accounting analysis tools

GL account display line items.

Menu Path: Accounting → Financial Accounting → General Ledger → Account → Display/Change Line Items (Trans FBL3N)

The following criteria screen will display. _ B × G/L account selection 229000 4 G/L account Comparacode 1034 ♦ Selection using search help Search help ID Search string Complex search help Line item selection Status Open items Open at key date 10/22/2001 Cleared items Clearing date <u></u> Open at key date All items 09/10/2001 10/31/2001 4 PR2 (1) (100) ▼ mwrsap7 INS 15:39

Input the desired account and posting dates and execute. The following report will display.

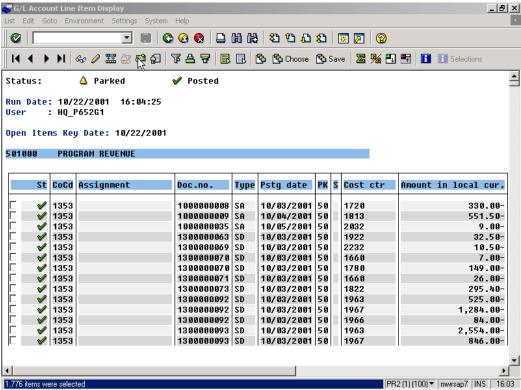


Other accounting analysis tools-cont.

This account is line item managed and should be cleared routinely, so that the only balance remaining is what is left open at the end of the month. Clearing makes account analysis much faster and easier. Clear all items that net to zero.

This view has the same drill down functionality and previously displayed, but this view is from the general ledger account view and will include all posting to the account.

If you display general ledger account 501000 the report will display additional items such as cost center.



The line item display can be sorted and totaled by posting date, cost center or doc type by selecting the column and clicking the radio button.

TERMS

Controlling area

This is the highest organizational level for which costs and revenues are calculated. This designator helps to control posting periods across company codes. All MWR & VQ company codes belong to controlling area 2000.

Company code

For MWR & VQ, the company code element is synonymous with fund. SAP refers to company code as an independent accounting entity. Each company code has its own complete set of accounts.

Cost center groups

Cost centers are assigned to groups to combine like entities or reporting groups. Cost center groupings can be found as nodes on the standard hierarchy.

Cost centers

This unit is used by SAP to represent a location of cost (and revenue) origination. Cost centers are grouped into decision, managerial and responsibility groups to facilitate query and reporting. MWR & VQ cost centers include category, activity and department designators.

Cost elements

Chart of account elements that depict costs and revenues. All MWR & VQ revenue and expense accounts are considered cost elements in SAP. Cost elements are used to ensure comprehensive reporting and detailed planning (budgeting).